

**The Commonwealth of Massachusetts  
Department of State Police  
305 South Street, Jamaica Plain, MA 02130  
617-983-6622**

DEVAL L. PATRICK  
*GOVERNOR*

TIMOTHY P. MURRAY  
*LIEUTENANT GOVERNOR*

MARY ELIZABETH HEFFERNAN  
*SECRETARY*

COLONEL TIMOTHY P. ALBEN  
*SUPERINTENDENT*

07/24/12

Elle Rackemann  
Assistant District Attorney, Suffolk County

Ms. Rackemann,

Enclosed is the information you requested. Included are copies of the following:

1. Drug Analysis Laboratory Receipt.
2. Analysis sheet with chemist's hand notations and test results.
3. GC/MS analytical data for sample # [REDACTED]

If you have any questions about these materials, please call me at the number below.

Sincerely,  
  
Kate Corbett  
Chemist II  
Drug Analysis Lab  
(617) 983-6632



## **DRUG RECEIPT**

CC #         
BOOK # 68  
PAGE # 54  
**DESTRUCTION #**

District/Unit D-4 Sen

Name & Rank of Arresting Officer Sgt Jeff Keegan ID# 10652

**To be completed by ECU personnel only**

Name and Rank of Submitting Officer Sybil White ID# 11069

Received by \_\_\_\_\_ Date \_\_\_\_\_ 1-10-11

ECU Control # \_\_\_\_\_

# DRUG POWDER ANALYSIS FORM

SAMPLE [REDACTED]

AGENCY BostonANALYST KACNo. of samples tested: 1

Evidence Wt.

OK

## PHYSICAL DESCRIPTION:

4 orange tablets

Gross Wt ( ): —Gross Wt ( ): —Pkg. Wt: —Net Wt: 1.5493g

## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate ( )

Marquis \_\_\_\_\_

Froehde's \_\_\_\_\_

Mecke's \_\_\_\_\_

### Microcrystalline Tests

Gold  
Chloride \_\_\_\_\_

TLTA ( )

### OTHER TESTS

Nicomedex® for  
Buprenorphine

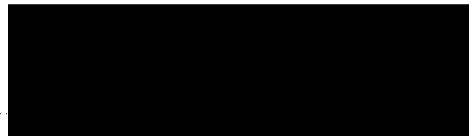
## PRELIMINARY TEST RESULTS

RESULTS BuprenorphineDATE 5/1/12

## GC/MS CONFIRMATORY TEST

RESULTS BuprenorphineMS  
OPERATOR KACDATE 5/3/12

## Drug Information



**DRUG NAME:** SUBOXONE TABLET

**INGREDIENTS:** BUPRENORPHINE -- 8 MG  
NALOXONE -- 2 MG

**Color:** orange

**NDC:** 12496-1306-02

**Shape:** Six-sided

**Regulatory Status:** Schedule III

**Imprint:** N8 Sword Logo

**Availability:** United States

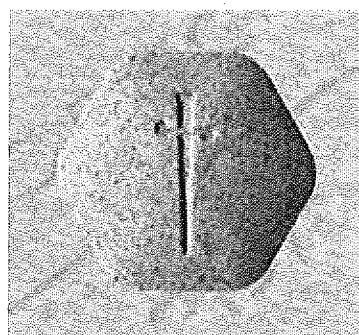
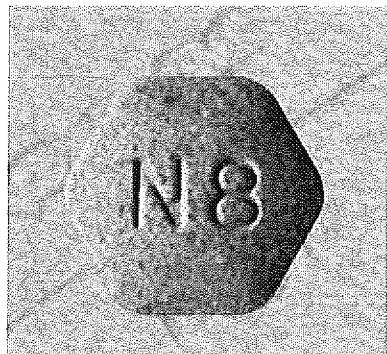
**Form:** Sublingual Tablet

**Product ID:** 6370996

**Available-Container-Size:** Bottle of 30

**Contact:** Reckitt Benckiser  
Pharmaceuticals

**AAPCC Code:** 200625 -  
Buprenorphine



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*TRV/PB*

<http://www.thomsonhc.com/micromedex2/librarian/PFDefaultActionId/evidenceexpert.Dis...> 4/25/2012

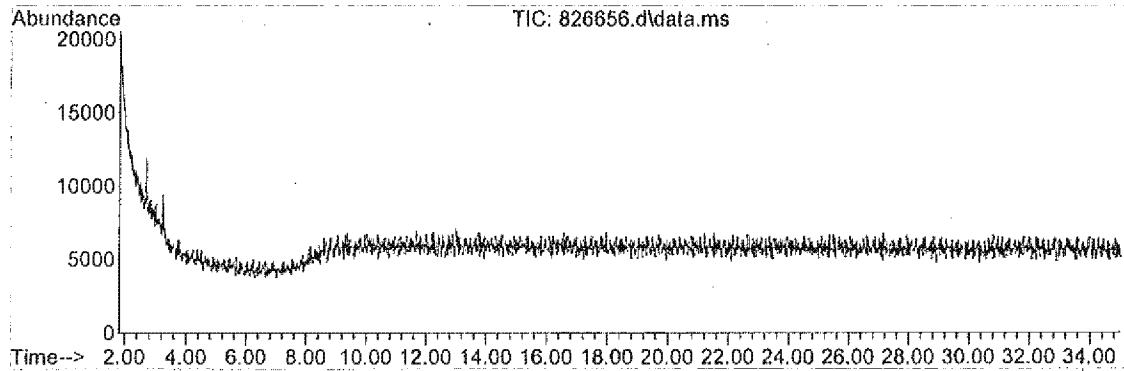
Area Percent / Library Search Report

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Information from Data File:

File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826656.d  
Operator : KAC  
Date Acquired : 2 May 2012 4:01  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

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| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

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\*\*\*NO INTEGRATED PEAKS\*\*\*

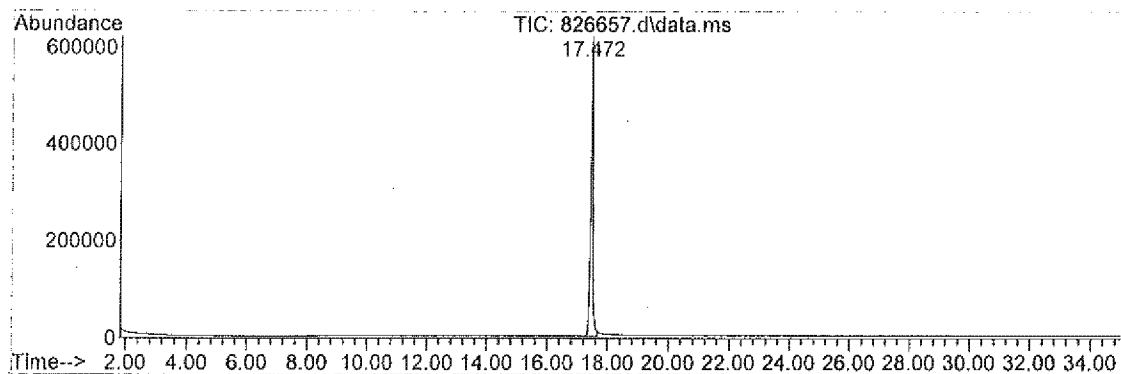
Area Percent / Library Search Report

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Information from Data File:

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Operator : KAC  
Date Acquired : 2 May 2012 4:40  
Sample Name : BUPRENORPHINE STD  
Submitted by :  
Vial Number : 57  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

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| Ret. Time | Area    | Area % | Ratio % |
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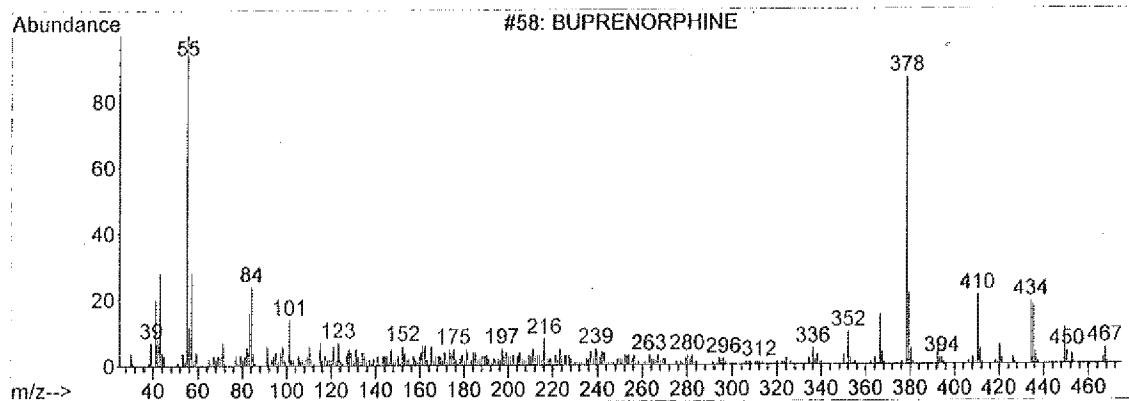
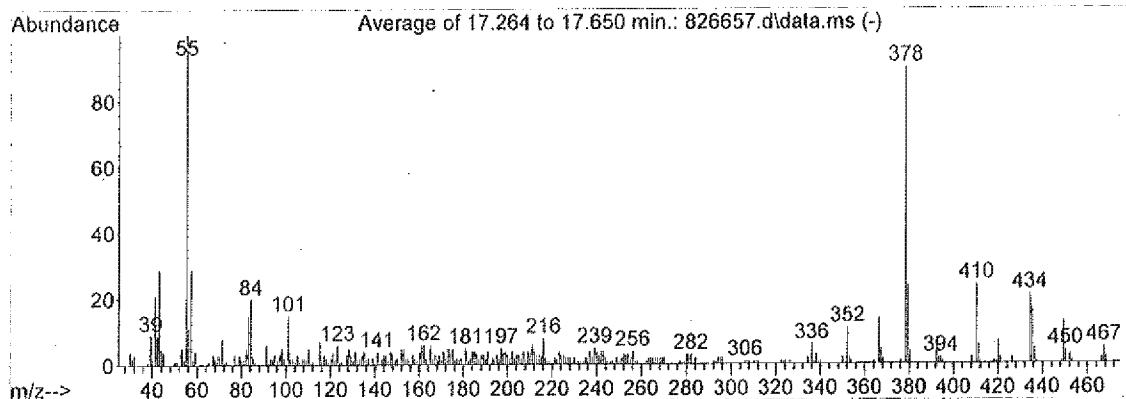
## Area Percent / Library Search Report

## Information from Data File:

File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826657.d  
Operator : KAC  
Date Acquired : 2 May 2012 4:40  
Sample Name : BUPRENORPHINE STD  
Submitted by :  
Vial Number : 57  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

| PK# | RT    | Library/ID        | CAS#        | Qual |
|-----|-------|-------------------|-------------|------|
| 1   | 17.47 | C:\Database\SLI.L |             |      |
|     |       | BUPRENORPHINE     | 052485-79-7 | 99   |
|     |       | BURPENORPHINE     | 052485-79-7 | 99   |



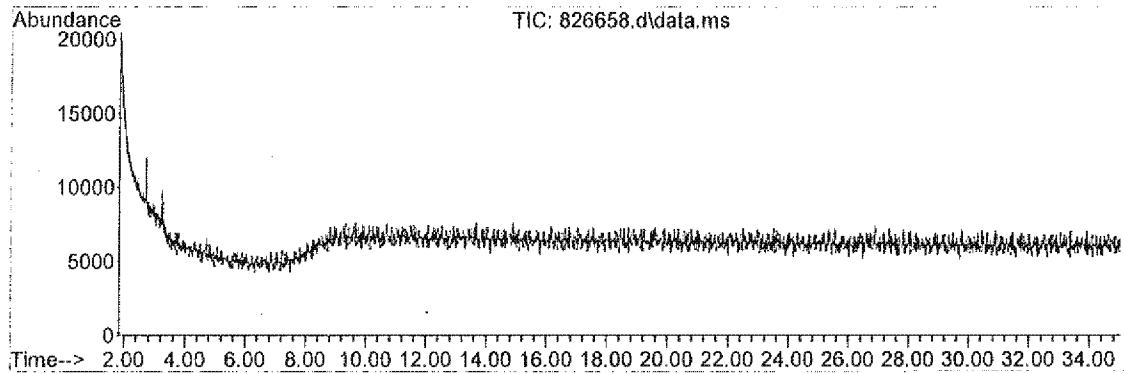
Area Percent / Library Search Report

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Operator : KAC  
Date Acquired : 2 May 2012 5:19  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

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| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

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\*\*\*NO INTEGRATED PEAKS\*\*\*

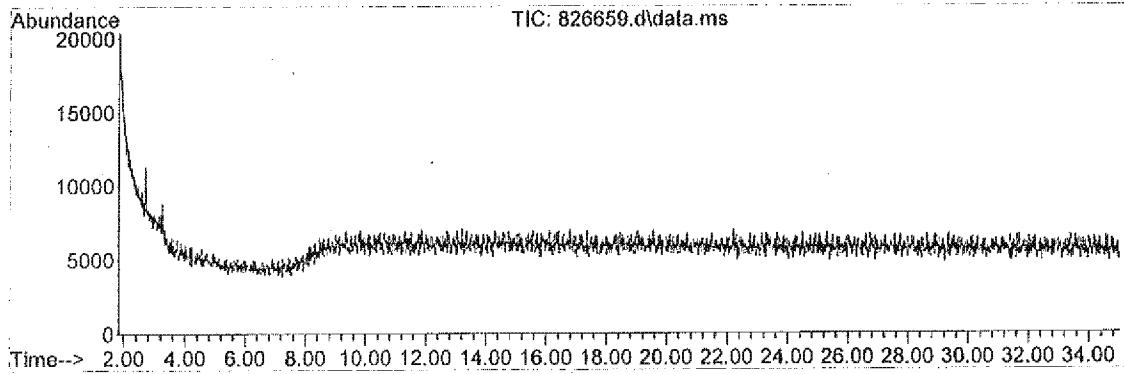
Area Percent / Library Search Report

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Sample Name : BLANK  
Submitted by : KAC  
Vial Number : 2  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

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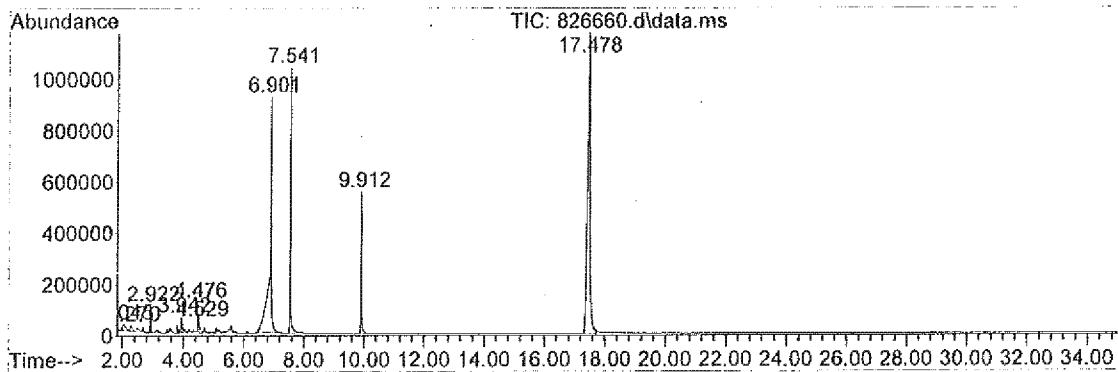
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826660.d  
Operator : KAC  
Date Acquired : 2 May 2012 6:37  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 60  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE



| Ret. Time | Area    | Area % | Ratio % |
|-----------|---------|--------|---------|
| 2.045     | 169113  | 1.22   | 2.45    |
| 2.270     | 103143  | 0.75   | 1.49    |
| 2.922     | 152149  | 1.10   | 2.20    |
| 3.942     | 129466  | 0.94   | 1.88    |
| 4.476     | 165732  | 1.20   | 2.40    |
| 4.529     | 107744  | 0.78   | 1.56    |
| 6.901     | 3735634 | 27.04  | 54.10   |
| 7.541     | 1340836 | 9.71   | 19.42   |
| 9.912     | 1006694 | 7.29   | 14.58   |
| 17.478    | 6904709 | 49.98  | 100.00  |

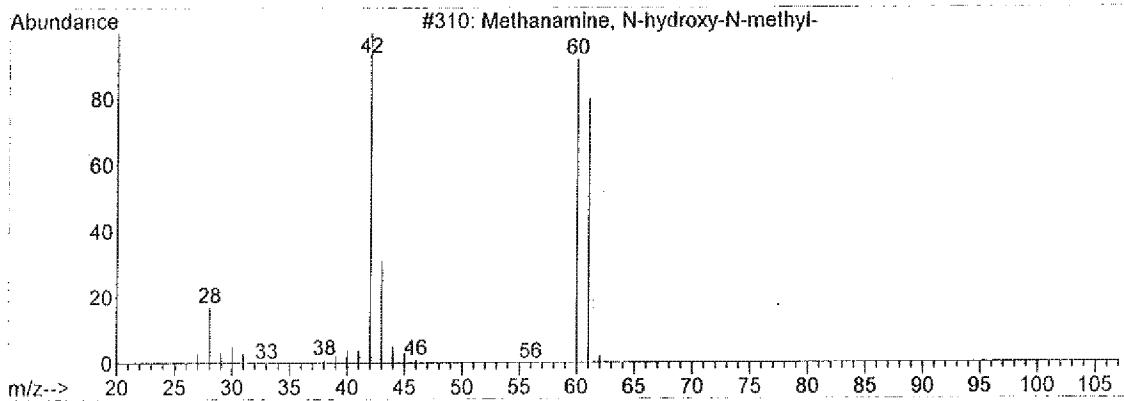
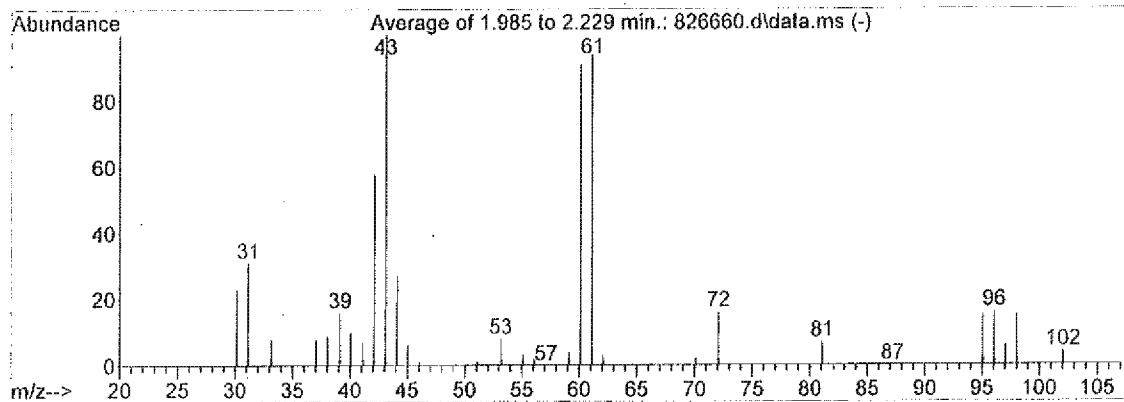
## Area Percent / Library Search Report

## Information from Data File:

File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826660.d  
Operator : KAC  
Date Acquired : 2 May 2012 6:37  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 60  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

| PK# | RT   | Library/ID                       | CAS#        | Qual |
|-----|------|----------------------------------|-------------|------|
| 1   | 2.04 | C:\Database\NIST08.L             |             |      |
|     |      | Methanamine, N-hydroxy-N-methyl- | 005725-96-2 | 38   |
|     |      | Methanamine, N-hydroxy-N-methyl- | 005725-96-2 | 28   |
|     |      | dl-Serine                        | 000302-84-1 | 23   |

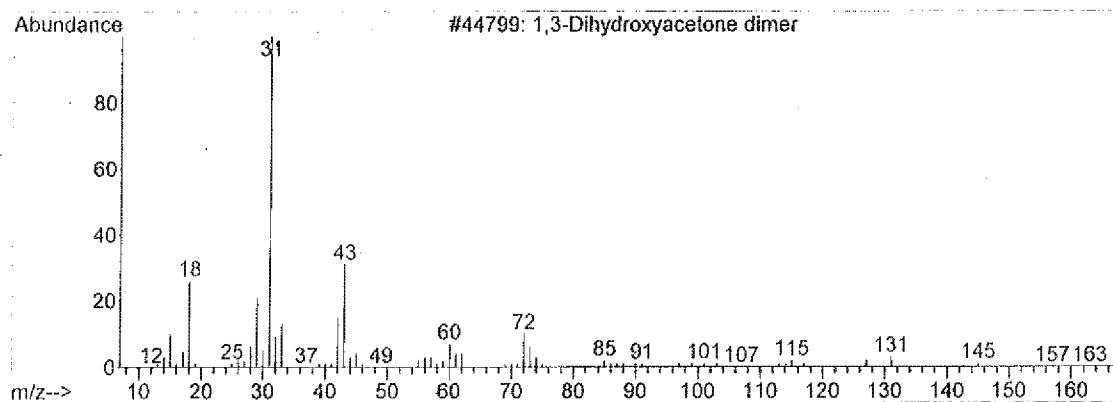
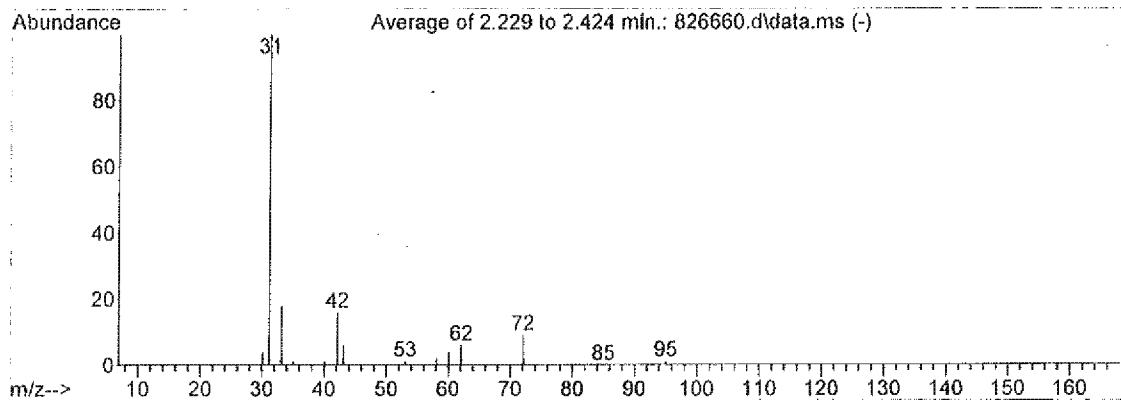


## Information from Data File:

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Operator : KAC  
Date Acquired : 2 May 2012 6:37  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 60  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

| PK# | RT   | Library/ID                          | CAS#        | Qual |
|-----|------|-------------------------------------|-------------|------|
| 2   | 2.27 | C:\Database\NIST08.L                |             |      |
|     |      | 1,3-Dihydroxyacetone dimer          | 062147-49-3 | 64   |
|     |      | 2-Propanone, 1,3-dihydroxy-         | 000096-26-4 | 40   |
|     |      | Acetic acid, hydroxy-, methyl ester | 000096-35-5 | 39   |

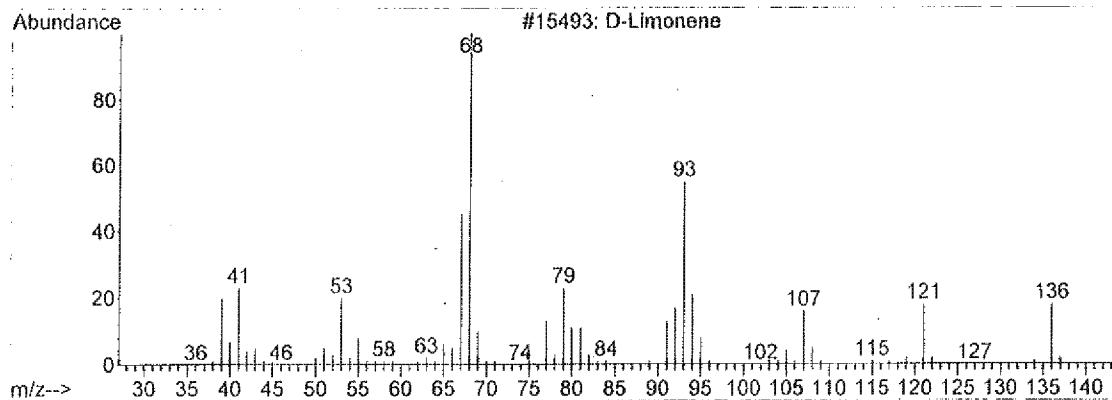
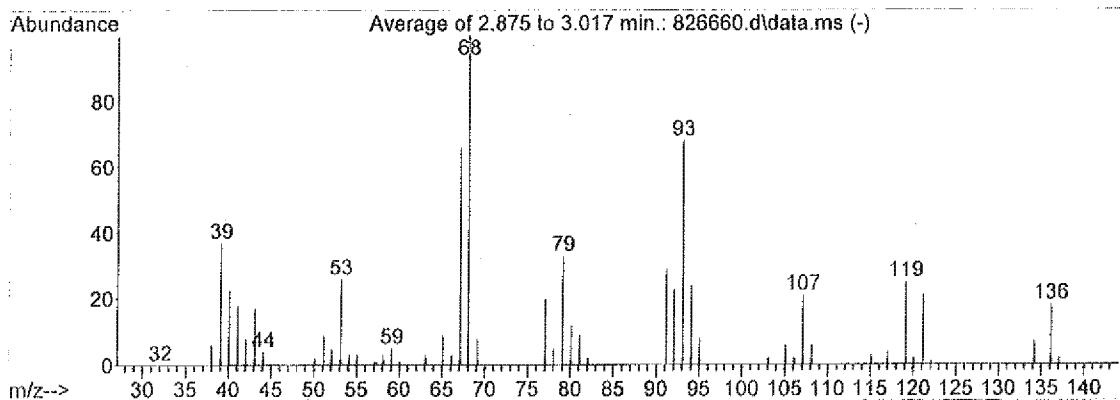


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File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826660.d  
Operator : KAC  
Date Acquired : 2 May 2012 6:37  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 60  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

| PK# | RT   | Library/ID                          | CAS#        | Qual |
|-----|------|-------------------------------------|-------------|------|
| 3   | 2.92 | C:\Database\NIST08.L                |             |      |
|     |      | D-Limonene                          | 005989-27-5 | 93   |
|     |      | D-Limonene                          | 005989-27-5 | 93   |
|     |      | Cyclohexene, 1-methyl-4-(1-methylet | 007705-14-8 | 93   |



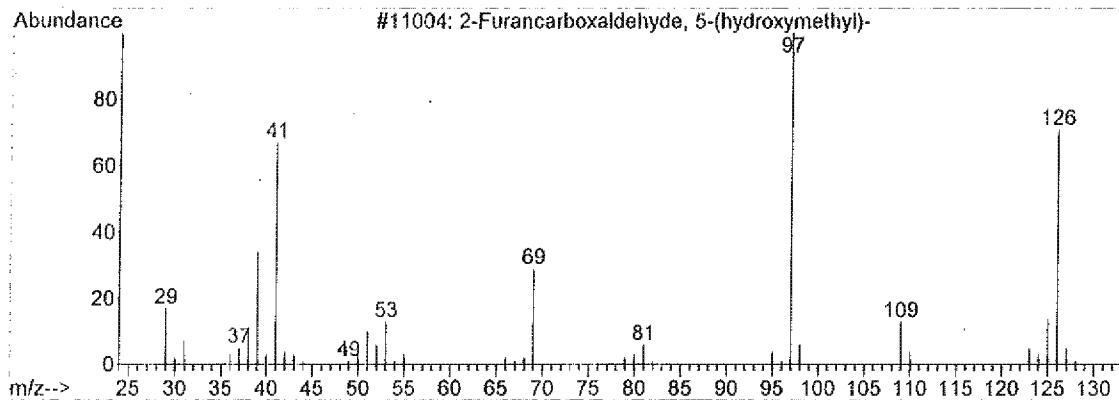
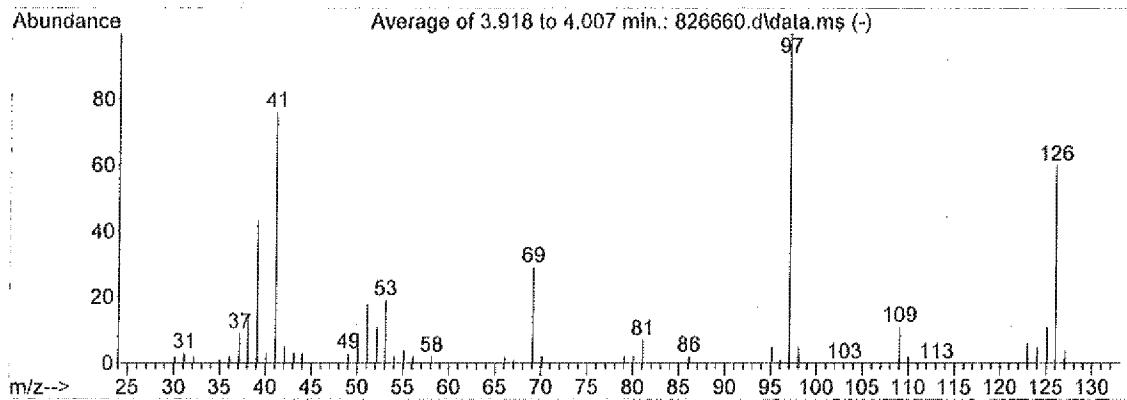
## Area Percent / Library Search Report

## Information from Data File:

File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826660.d  
Operator : KAC  
Date Acquired : 2 May 2012 6:37  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 60  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

| PK# | RT   | Library/ID                                | CAS#        | Qual |
|-----|------|---|-------------|------|
| 4   | 3.94 | C:\Database\NIST08.L                      |             |      |
|     |      | 2-Furancarboxaldehyde, 5-(hydroxymethyl)- | 000067-47-0 | 64   |
|     |      | 2-Furancarboxaldehyde, 5-(hydroxymethyl)- | 000067-47-0 | 60   |
|     |      | Thiophene, 2-propyl-                      | 001551-27-5 | 38   |

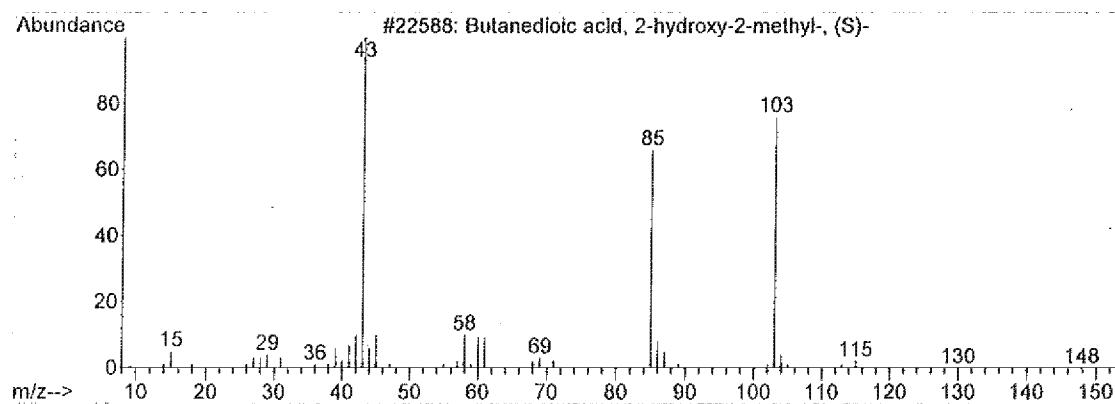
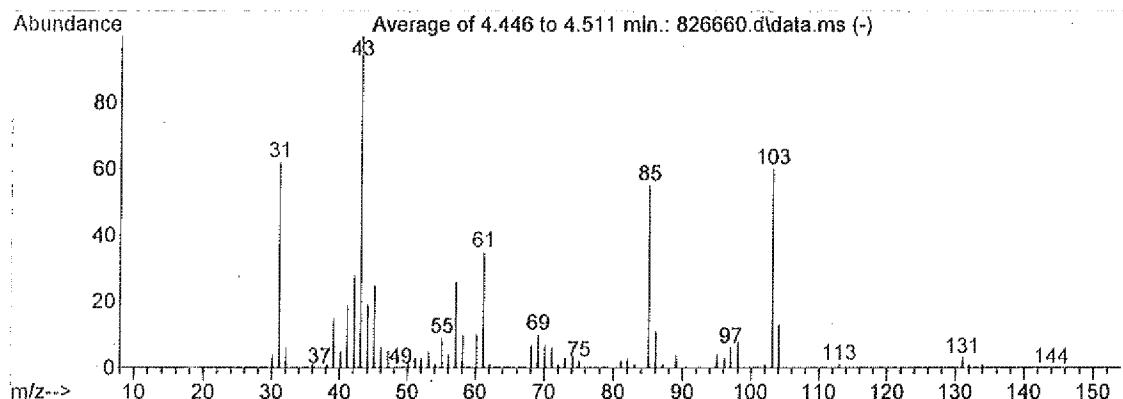


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File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826660.d  
Operator : KAC  
Date Acquired : 2 May 2012 6:37  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 60  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

| PK# | RT   | Library/ID                           | CAS#        | Qual |
|-----|------|--------------------------------------|-------------|------|
| 5   | 4.48 | C:\Database\NIST08.L                 |             |      |
|     |      | Butanedioic acid, 2-hydroxy-2-methyl | 006236-09-5 | 43   |
|     |      | Butanoic acid, 3-oxo-, 2-methylprop  | 007779-75-1 | 38   |
|     |      | Butanoic acid, 3-oxo-, hexyl ester   | 013562-84-0 | 32   |

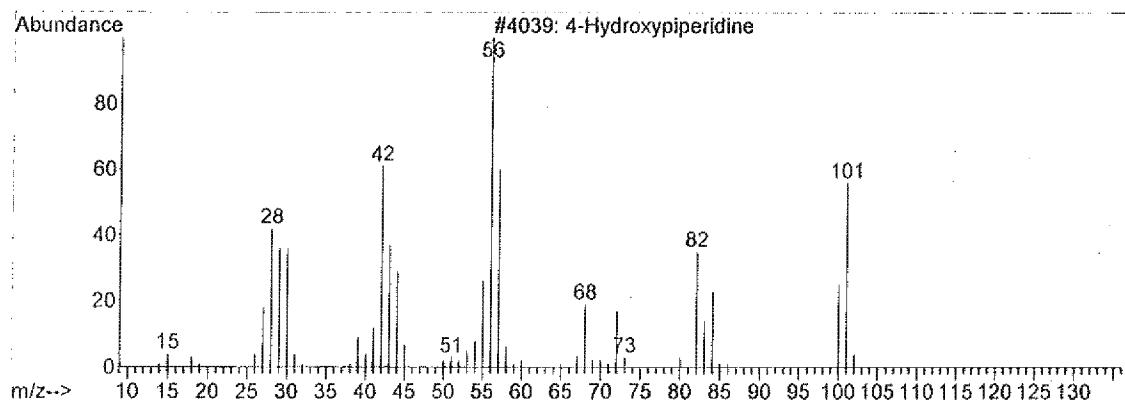
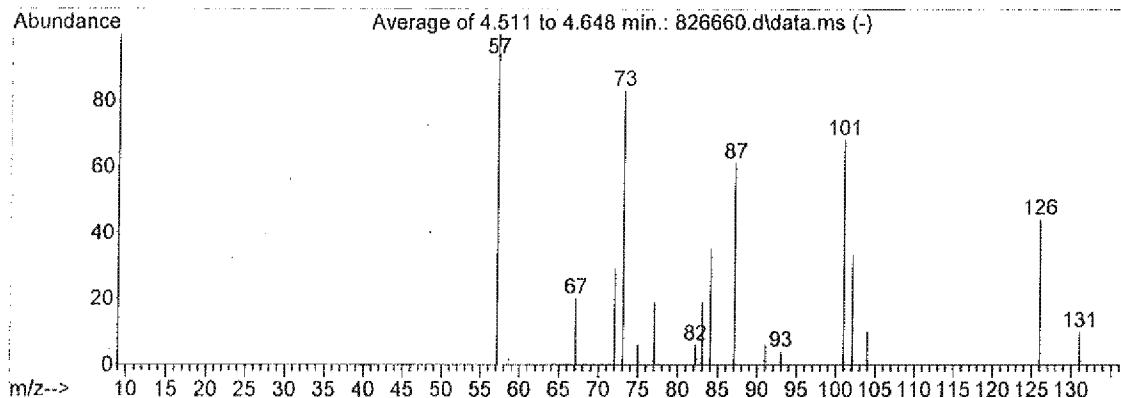


## Information from Data File:

File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826660.d  
Operator : KAC  
Date Acquired : 2 May 2012 6:37  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 60  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

| PK# | RT   | Library/ID           | CAS#        | Qual |
|-----|------|----------------------|-------------|------|
| 6   | 4.53 | C:\Database\NIST08.L |             |      |
|     |      | 4-Hydroxypiperidine  | 005382-16-1 | 16   |
|     |      | 4-Hydroxypiperidine  | 005382-16-1 | 12   |
|     |      | 4-Ethyl-4-heptanol   | 000597-90-0 | 12   |



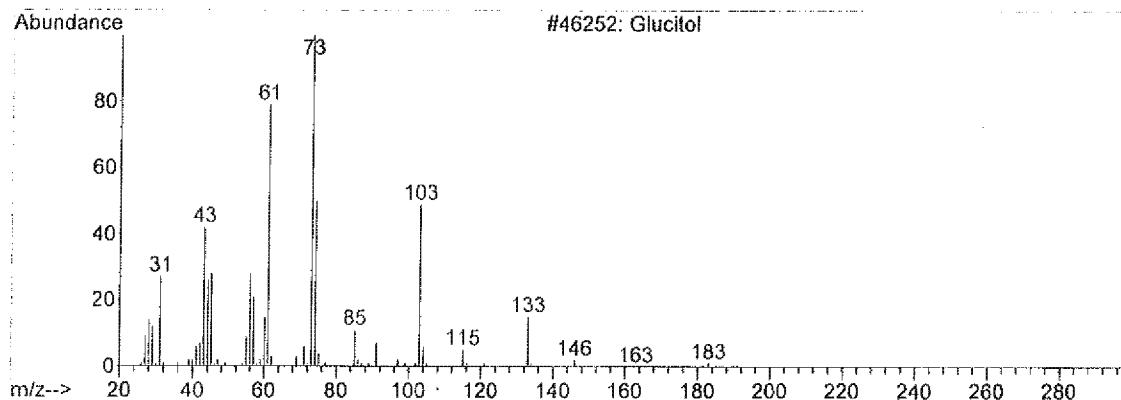
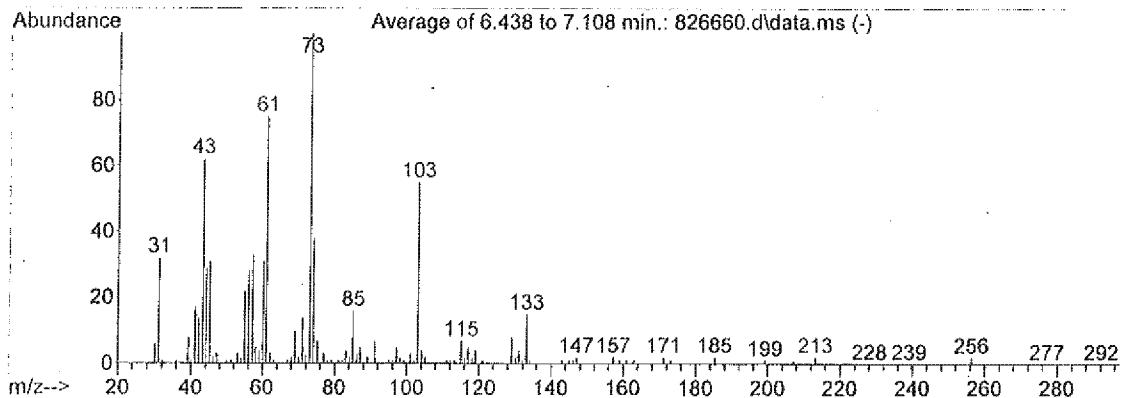
Area Percent / Library Search Report

Information from Data File:

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Date Acquired : 2 May 2012 6:37  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 60  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

| PK# | RT   | Library/ID           | CAS#        | Qual |
|-----|------|----------------------|-------------|------|
| 7   | 6.90 | C:\Database\NIST08.L |             |      |
|     |      | Glucitol             | 026566-34-7 | 91   |
|     |      | Sorbitol             | 000050-70-4 | 87   |
|     |      | Sorbitol             | 000050-70-4 | 83   |

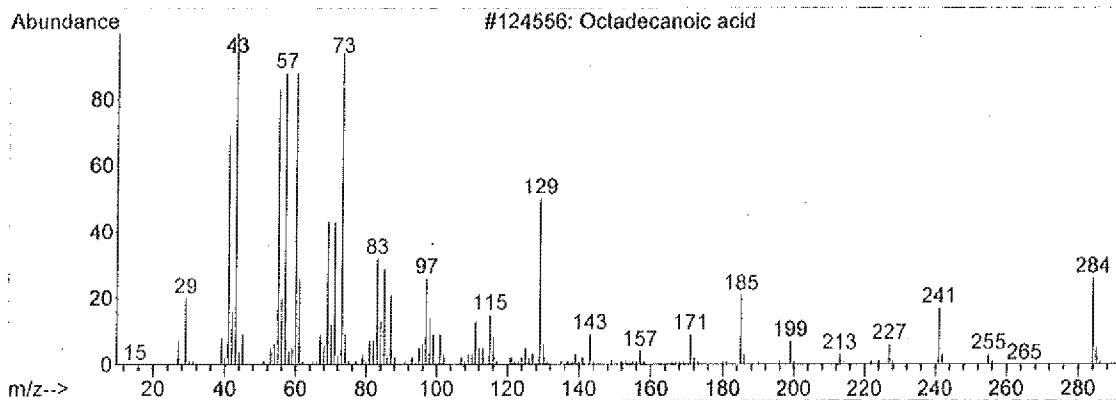
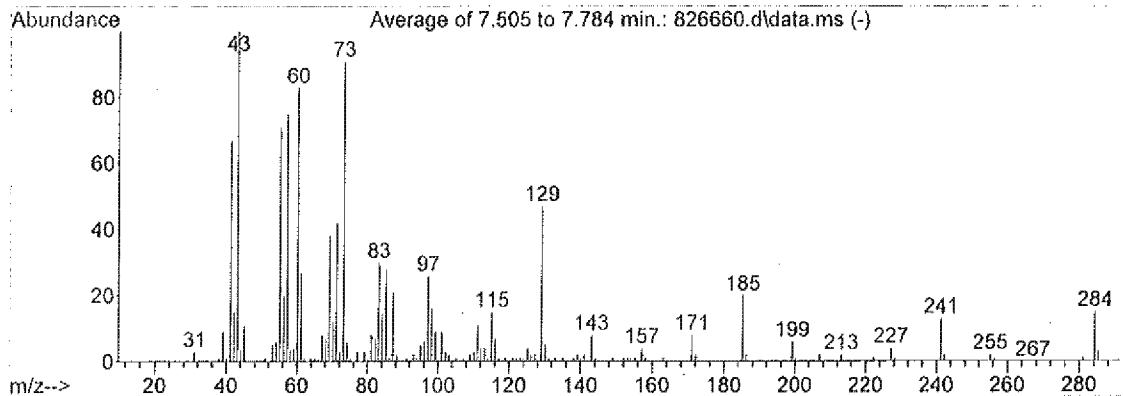


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File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826660.d  
Operator : KAC  
Date Acquired : 2 May 2012 6:37  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 60  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

| PK# | RT   | Library/ID           | CAS#        | Qual |
|-----|------|----------------------|-------------|------|
| 8   | 7.54 | C:\Database\NIST08.L |             |      |
|     |      | Octadecanoic acid    | 000057-11-4 | 99   |
|     |      | Octadecanoic acid    | 000057-11-4 | 97   |
|     |      | Octadecanoic acid    | 000057-11-4 | 96   |

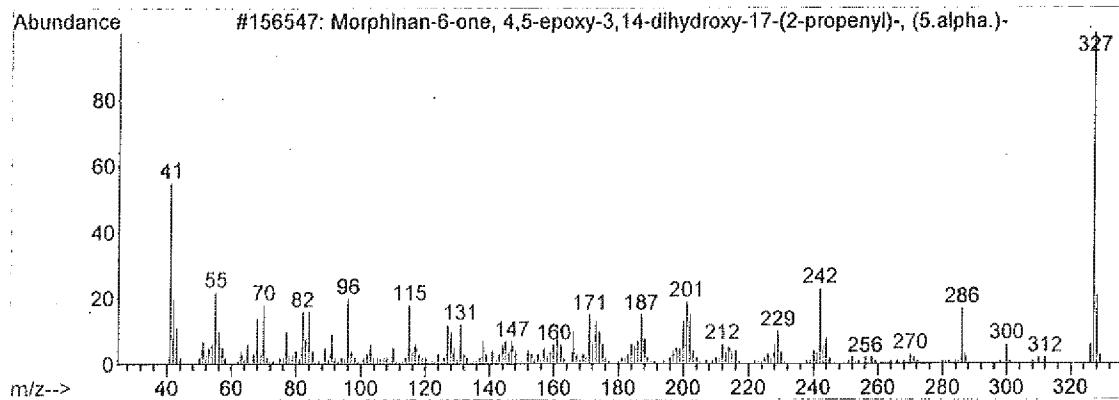
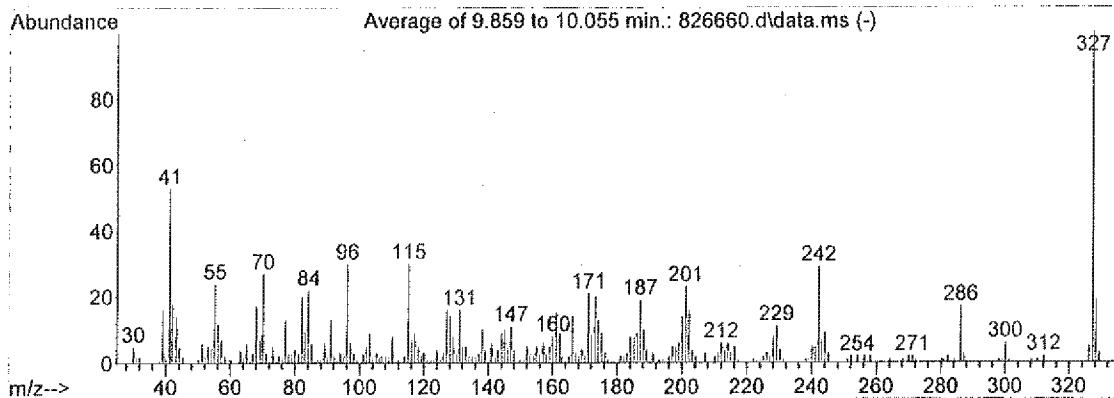


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File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826660.d  
Operator : KAC  
Date Acquired : 2 May 2012 6:37  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 60  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

| PK# | RT   | Library/ID                          | CAS#        | Qual |
|-----|------|-------------------------------------|-------------|------|
| 9   | 9.91 | C:\Database\NIST08.L                |             |      |
|     |      | Morphinan-6-one, 4,5-epoxy-3,14-dih | 000465-65-6 | 99   |
|     |      | Morphinan-6-one, 4,5-epoxy-3,14-dih | 000465-65-6 | 96   |
|     |      | Morphinan-6-one, 4,5-epoxy-3,14-dih | 000465-65-6 | 89   |

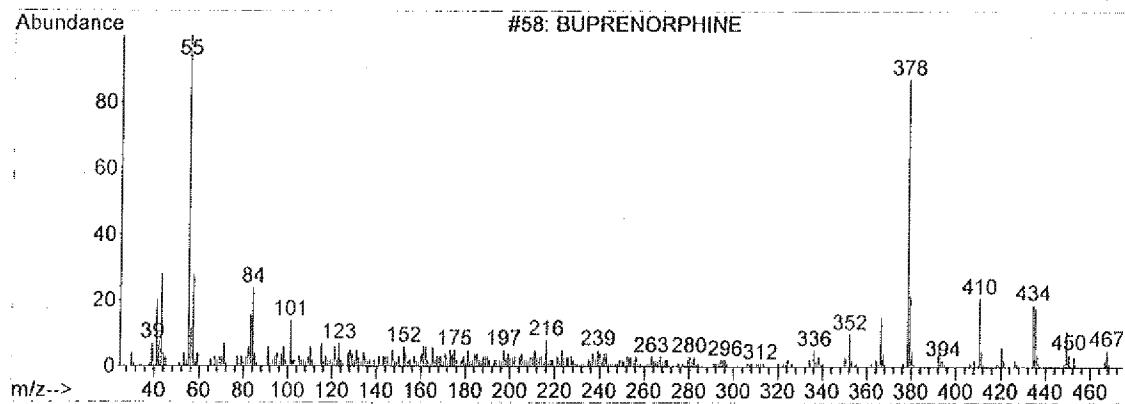
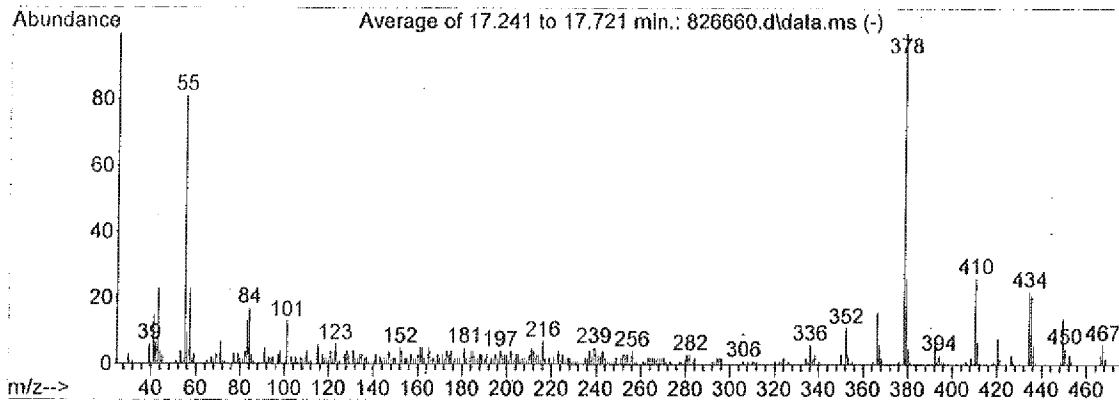


## Information from Data File:

File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826660.d  
Operator : KAC  
Date Acquired : 2 May 2012 6:37  
Sample Name : XXXXXXXXXX  
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Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

| PK# | RT    | Library/ID        | CAS#        | Qual |
|-----|-------|-------------------|-------------|------|
| 10  | 17.48 | C:\Database\SLI.L |             |      |
|     |       | BUPRENORPHINE     | 052485-79-7 | 99   |
|     |       | BURPENORPHINE     | 052485-79-7 | 99   |



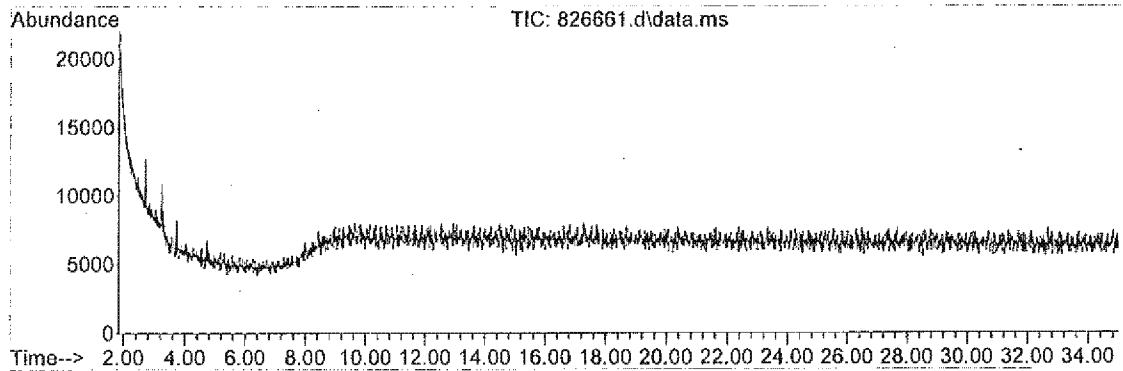
Area Percent / Library Search Report

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Information from Data File:

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Operator : KAC  
Date Acquired : 2 May 2012 7:16  
Sample Name : BLANK  
Submitted by : KAC  
Vial Number : 2  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

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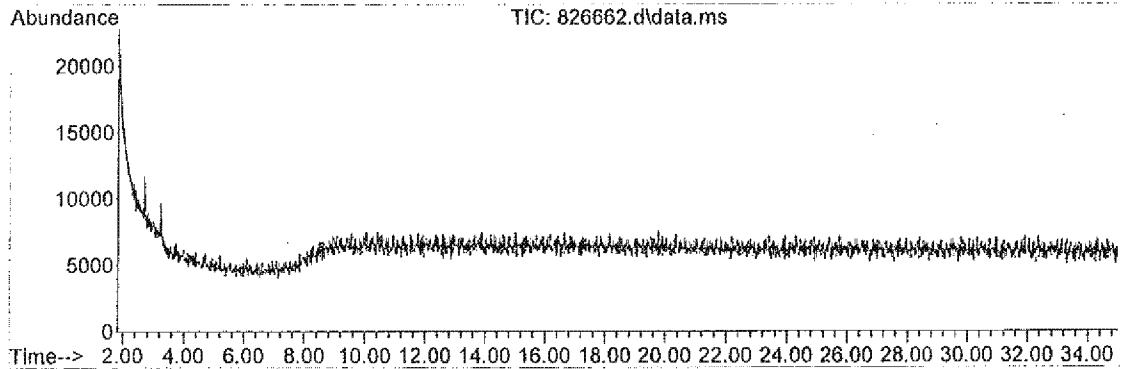
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

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Operator : KAC  
Date Acquired : 2 May 2012 7:55  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE



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| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

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\*\*\*NO INTEGRATED PEAKS\*\*\*

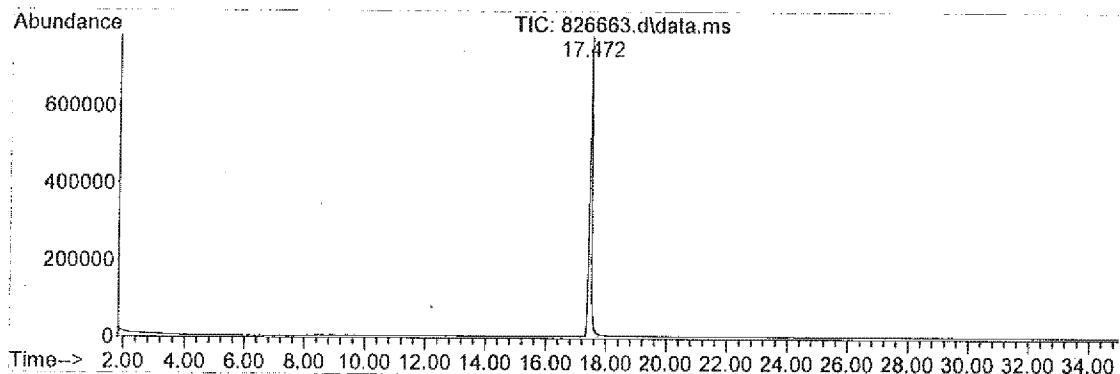
Area Percent / Library Search Report

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Information from Data File:

File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826663.d  
Operator : KAC  
Date Acquired : 2 May 2012 8:34  
Sample Name : BUPRENORPHINE STD  
Submitted by :  
Vial Number : 57  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

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| Ret. Time | Area    | Area % | Ratio % |
|-----------|---------|--------|---------|
| 17.472    | 4215330 | 100.00 | 100.00  |

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## Area Percent / Library Search Report

## Information from Data File:

File Name : C:\MSDCHEM\1\DATA\SYSTEM6\05\_01\_12\826663.d  
Operator : KAC  
Date Acquired : 2 May 2012 8:34  
Sample Name : BUPRENORPHINE STD  
Submitted by :  
Vial Number : 57  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

| PK# | RT    | Library/ID        | CAS#        | Qual |
|-----|-------|-------------------|-------------|------|
| 1   | 17.47 | C:\Database\SLI.L |             |      |
|     |       | BUPRENORPHINE     | 052485-79-7 | 99   |
|     |       | BURPENORPHINE     | 052485-79-7 | 99   |

